

AMENDMENTS TO THE SPECIFICATION

Please substitute the following paragraph beginning on page 2, line 11 and ending on page 2, line 22 as follows:

U.S. Patent 6,239,584 B1 of Jang et al. shows a solution to this limitation on minimum power. Referring for example to Figure 2, an auxiliary transformer is inserted in series with the two inductors L1 and L2. The transformer magnetically couples the two input current paths, forcing the currents in the two inductors to be identical. Theoretically, the input current only increases when both of the switches S1 and S2 are on. If the overlapping between the two driving signals is small, the inductor currents become discontinuous. This improvement makes the two-inductor boost circuit attractive in application. However, a disadvantage of the approach is that the circuit requires four magnetic components on the primary side, thus requiring additional circuit board space.